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On FEB 12, 2004

By CEK

Attorney Docket No. P003.210

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Gjerde *et al.*

Application No.: 10/733,664

Filed: 12/10/2003

For: BIOMOLECULE OPEN CHANNEL
SOLID PHASE EXTRACTIONS
SYSTEMS AND METHODS

Examiner: N/A

Art Unit: N/A

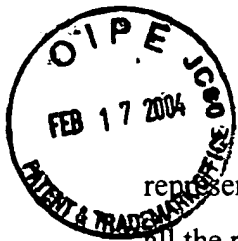
INFORMATION DISCLOSURE
STATEMENT UNDER 37 CFR § 1.97 and
§ 1.98

Commissioner for Patents
Washington, D.C. 20231

Sir:

The references cited on attached form PTO-1449 are being called to the attention of the Examiner. Copies of the non-US patent references are enclosed. Pursuant to 37 CFR 1.98, copies of US patents and published applications are not enclosed because the application was filed after June 30, 2003. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

As provided for by 37 CFR 1.97(g) and (h), no inference should be made that the information and references cited are prior art merely because they are in this statement and no



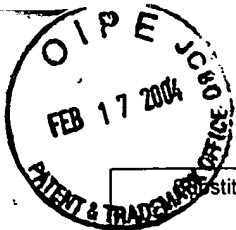
representation is being made that a search has been conducted or that this statement encompasses all the possible relevant information.

Applicant believes that no fee is required for submission of this statement, since it is being submitted prior to the first Office Action and within 3 months of the filing date. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 50-2852. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Phynexus, Inc.
IP Dept.
3670 Charter Park Drive, Suite A
San Jose, CA 95136
(408)267-7214

Respectfully submitted,

Christopher M. Holman
Reg. No. 40,021



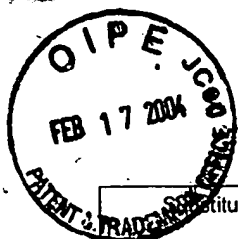
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)	Institute for form 1449A-B/PTO		Complete if Known	
	Application Number		10/733,664	
	Filing Date		12-10-2003	
	First Named Inventor		Gjerde	
	Group Art Unit		N/A	
	Examiner Name		N/A	
Attorney Docket Number		P003.210		

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, lines, Where Relevant Passages or Relevant Figures Appeal
		Number	Kind Code (if known)			
	AA	US-6,485,690	B1	Pfost et al.	11-26-2002	
	AB	US-4,071,315		Chateau	01-31-1978	
	AC	US-4,676,656		Cook et al.	06-30-1987	
	AD	US-5,077,010		Ishizaka et al.	12-31-1991	
	AE	US-5,176,203		Larzul et al.	01-05-1993	
	AF	US-5,720,923		Haff et al.	02-24-1998	
	AG	US-5,779,977		Haff et al.	07-14-1998	
	AH	US-5,827,480		Haff et al.	10-27-1998	
	AI	US-6,033,880		Haff et al.	03-07-2000	
	AJ	US-6,537,432	B1	Schneider et al.	03-25-2003	

FOREIGN PATENT DOCUMENTS								
Examiner Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code	Number	Kind Code (if known)				
	AK	WO	03/104814	A2	Phynexus, Inc.	12-18-2003		
	AL	WO	2004/007081	A1	Phynexus, Inc.	01-22-2004		

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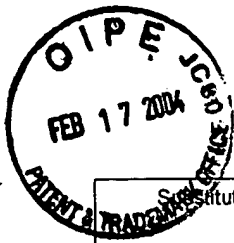


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NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	BA	J. CAI and Z.E. RASSI, "On-line Preconcentration of Triazine Herbicides with Tandem Octadecyl Capillaries-Capillary Zone Electrophoresis," Journal of Liquid Chromatography, 1992, pp. 1179-1192, Vol. 15, No. 6/7.	
	BB	J. CAI and Z.E. RASSI, "Selective On-line Preconcentration of Proteins by Tandem Metal Chelate Capillaries - Capillary Zone Electrophoresis," Journal of Liquid Chromatography, 1993, pp. 2007-2024, Vol. 16, No. 9/10.	
	BC	R. EISERT and J. PAWLISZYN, "Automated In-Tube Solid-Phase Microextraction Coupled to High-Performance Liquid Chromatography," Analytical Chemistry, 1997, pp. 3140-3147, Vol. 69, No. 16.	
	BD	N.A. GUZMAN, "Biomedical Applications of On-Line Preconcentration - Capillary Electrophoresis Using an Analyte Concentrator: Investigation of Design Options," Journal of Liquid Chromatography, 1995, pp. 3751-3768, Vol. 18, No. 18/19.	
	BE	I. HALASZ, "Mass Transfer in Ideal and Geometrically Deformed Open Tubes, II. Potential Application of Ideal and Coiled Open Tubes in Liquid Chromatography," Journal of Chromatography, 1979, pp. 229-247, Vol. 173.	
	BF	K. HOFMANN and I. HALASZ, "Mass Transfer in Ideal and Geometrically Deformed Open Tubes, I. Ideal and Coiled Tubes with Circular Cross-Section," Journal of Chromatography, 1979, pp. 211-228, Vol. 173.	
	BG	D. ISHII and T. TAKEUCHI, "Open Tubular Capillary LC," Journal of Chromatographic Science, 1980, pp. 462-472, Vol. 18.	
	BH	KASICKA et al., "Contribution of capillary coiling to zone dispersion in capillary zone electrophoresis," Electrophoresis, 1995, pp. 2034 -2038, Vol. 16.	
	BI	H. KATAOKA, et al., "Automated In-Tube Solid-Phase Microextraction Coupled with Liquid Chromatography/Electrospray Ionization Mass Spectrometry for the Determination of B-Blockers and Metabolites in Urine and Serum Samples," Analytical Chemistry, 1999, pp. 4237-4244, Vol. 71, No. 19.	
	BJ	E. MINNOOR, "Applications of a sulfonated-polymer wall-modified open-tubular fused-silica capillary in capillary zone electrophoretic separations," Journal of Chromatography A, 2000, pp. 297-309, Vol. 884.	
	BK	L. NARDI, "Capillary Extractors for 'negligible depletion' sampling of benzene, toluene, ethylbenzene and xylenes by in-tube solid-phase microextraction," Journal of Chromatography A, 2003, pp. 85-91, Vol. 985.	
	BL	T. STROINK, et al., "On-Line Sample Preconcentration in Capillary Electrophoresis, Focused on the Determination of Proteins and Peptides," Electrophoresis, 2001, pp. 2374-2383, Vol. 22.	

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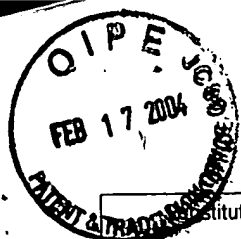


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	BM	R. TIJSEN, "Liquid Chromatography in Helically Coiled Open Tubular Columns," Separation Science and Technology, 1978, pp. 681-722, Vol. 13, No. 8		
	BN	R. TIJSEN, "Axial Dispersion and Flow Phenomena in Helically Coiled Tubular Reactors for Flow Analysis and Chromatography," Analytica Chimica Acta, 1980, pp. 71-89, Vol. 114.		
	BO	R. TIJSEN, "Effect of Column-Coiling on the Dispersion of Solutes in Gas Chromatography, Part I: Theory," Chromatographia, 1970, pp. 525-531, Vol. 3.		
	BP	T. WANG and R. HARTWICK, "Capillary Modification and Evaluation Using Streaming Potential and Frontal Chromatography for Protein Analysis in Capillary Electrophoresis," Journal of Chromatography, 1992, PP. 325-334, Vol. 594.		
	BQ	M. YE, et al., "Study on Open Tubular Capillary Affinity Liquid Chromatography," Journal of Chromatographic Science, PP. 517-520, 2000, Vol. 38.		
	BR	"Fiber Optics & Optical Fiber," The Book on the Technologies of Polymicro (Polymicro Technologies LLC, Phoenix, Arizona, 2002), pp. 2-1 to 2-23.		
	BS	"Flexible Fused Silica Capillary Tubing," The Book on the Technologies of Polymicro (Polymicro Technologies LLC, Phoenix, Arizona, 2002), pp. 3-1 to 3-7.		

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		Number	Kind Code (if known)			
	CA	US-3,097,927		Skeggs	07-16-1963	
	CB	US-4,028,056		Snyder et al.	07-07-1977	
	CC	US-5,565,622		Murphy	10-15-1996	

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		Country Code	Number	Kind Code (if known)				
	CD	WO	96/12194	A1	Holmbom et al.	04-25-1996		
	CE	WO	98/41855	A1	Pawliszyn et al.	09-24-1998		
	CF	EP	0 183 950	A1	Hewlett-Packard	06-11-1986		

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	CG	M.-C. HENNION, "Solid-phase extraction: method development, sorbents, and coupling with liquid chromatography," Journal of Chromatography A, 1999, pp. 3-54, Vol. 856.			
	CH	M. MA et al., "Solvent microextraction with simultaneous back-extraction for sample cleanup and preconcentration: preconcentration into a single microdrop," Anal. Chem., 1999, pp. 388-393, Vol. 71.			
	CI	A. ZLATKIS et al., "Rapid Analysis of Trace Organics in Aqueous Solution by Enrichment in Uncoated Capillary Columns," Chromatographia, 1990, pp. 149-154, Vol. 30.			

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